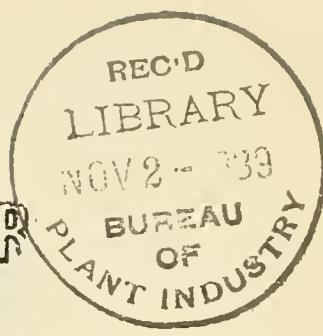


Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

THE PLANT DISEASE REPORTER



Issued By

Division of Mycology and Disease Survey

Supplement 113

1937 and 1938 Additions and Corrections to the List
of Causes of Fungous and Bacterial Plant
Diseases in Maine

September 5, 1939



BUREAU OF PLANT INDUSTRY

UNITED STATES DEPARTMENT OF AGRICULTURE

1937 AND 1938 ADDITIONS AND CORRECTIONS TO THE LIST OF CAUSES

OF FUNGOUS AND BACTERIAL PLANT DISEASES IN MAINE

By M. T. Hilborn, Assistant Plant Pathologist, Maine Agricultural Experiment Station, and F. H. Steinmetz, Professor of Botany and Entomology, University of Maine, Orono, Maine.

Plant Disease Reporter
Supplement 113

September 5, 1939

Since the publication of "List of causes of fungous and bacterial plant diseases in Maine to 1936 inclusive", Plant Disease Reporter Supplement 105, 1938, many additional organisms have been recorded and the distribution of several diseases within the State has been extended. In connection with a research project initiated by the senior author, an attempt has been made to record the fungi found attacking hardwood trees, particularly birch, beech, maple, and oak. P. L. Ricker, of the Division of Forage Crops and Diseases, U. S. Bureau of Plant Industry, has very kindly sent a list of unpublished additions to, and corrections of, his "Preliminary list of Maine fungi," University of Maine Studies, No. 3, 1902.

This list follows the same procedure as Supplement 105. Citations marked with an asterisk (*) are from Ricker only. The other sources from which this list has been compiled are indicated by key letters, as in Supplement 105, whose meanings are as follows:

C = card in the file of disease records of the Department of Plant Pathology of the Maine Agricultural Experiment Station.

H = herbaria of the Department of Botany, University of Maine, and of the Department of Plant Pathology of the Maine Agricultural Experiment Station (reference to this herbarium was omitted in Supplement 105), and private herbaria of interested botanists at the University.

L = a letter, or other correspondence

P = Plant Disease Reporter, or supplements and special reports of the Plant Disease Survey as indicated.

After each scientific name of an organism there are given the sources of information as noted above; the first known date of occurrence or report of the disease; and the county in which the collection was made, where this is known.

ABIES BALSAMEA (L.) Mill. FIR

Aleurodiscus amorphus (Pers.) Rabh. H 1938 Penobscot.
Rehmiellopsis bohemica Bub. & Kab. P 1937.

ACER sp. MAPLE

Hymenochaete corrugata (Fr.) Lév. H 1937 Penobscot.

Phyllosticta sp. C 1938 Washington.

* Polyporus fumosus (Pers.) Fr. (Bjerkandera puberula, Polyporus fragans of R.) 1909 Hancock.

ACER NEGUNDO L. BOX ELDER

Coryneum negundinum Berk. & Curt. P 1937.

ACER RUBRUM L. RED MAPLE

Hymenochaete corrugata (Fr.) Lév. H 1938 Penobscot.

Ustulina vulgaris Tul. H 1938 Penobscot.

ACER SACCHARUM Marsh. SUGAR MAPLE

Panus rufus Fr. H 1938 Penobscot.

Pleurotus serotinus (Schrad.) Fr. H 1938 Penobscot.

ALNUS sp. ALDER

Crepidotus calolepis Fr. H 1938 Penobscot.

Fomes scutellatus (Schw.) Cke. H 1938 Penobscot.

Polyporus adustus (Willd.) Fr. H 1937 Penobscot.

Polyporus dichrous Fr. H 1937 Penobscot.

ALNUS INCANA (L.) Moench. HOARY ALDER

*Odontia rimosissima Pk. instead of Kueffia setigera Fr.

AMELANCHIER CANADENSIS (L.) Medic. SHADBUSH

Gymnosporangium clavariaeforme (Jacq.) DC. H 1938 Penobscot.

AMELANCHIER LAEVIS Wiegand

Gymnosporangium biseptatum Ell. H 1937 Penobscot, Knox.

Gymnosporangium clavariaeforme (Jacq.) DC H 1938 Penobscot.

AMELANCHIER SANGUINEA (Pursh) DC

Gymnosporangium biseptatum Ell. H 1938 Penobscot.

AMELANCHIER STOLONIFERA Wiegand

Gymnosporangium biseptatum Ell. H 1937 Penobscot.

ASTILBE sp.

Sphaerotheca castagnaei Lév. C 1938 Penobscot.

BEGONIA sp. BEGONIA

Botrytis sp. C 1938 Hancock.

BETULA sp. BIRCH

Phlebia merismoides Fr. H 1937 Penobscot.
Taphrina betulina Rostr. C 1938 Franklin.

BETULA LUTEA Michx. f. YELLOW BIRCH

Taphrina sp. P 1937.

BETULA PAPYRIFERA Marsh. WHITE BIRCH

Polyporus albellus Peck. H 1937 Penobscot.
Polyporus pargamonus Fr. H 1938 Penobscot.
Polyporus radiatus (Sow.) Fr. H 1938 Penobscot.

BETULA PAPYRIFERA Marsh. var. CORDIFOLIA Fern.

Fomes applanatus (Pers.) Wallr. H 1938 Piscataquis.
Fomes fomentarius (Fr.) Kickx. H 1938 Piscataquis.
Pleurotus serotinus (Schrad.) Fr. H 1938 Piscataquis.
Polyporus pargamonus Fr. H 1938 Piscataquis.
Polyporus radiatus (Sow.) Fr. H 1938 Piscataquis.
Poria laevigata (Fr.) Sacc. H 1938 Piscataquis.

BETULA POPULIFOLIA Marsh. GRAY BIRCH

Daedalea unicolor (Bull.) Fr. H 1937 Penobscot.
Hymenochaete corrugata (Fr.) Lév. H 1938 Penobscot.
Polyporus adustus (Willd.) Fr. H 1938 Penobscot.
Polyporus albellus Peck. H 1937 Penobscot.
Polyporus hirsutus (Wulf.) Fr. H 1938 Penobscot.
Polyporus radiatus (Sow.) Fr. H 1938 Penobscot.
Polyporus velutinus Fr. H 1937 Penobscot.
Poria subacida Peck. H 1937 Penobscot.
Stereum purpureum (Pers.) Fr. H 1937 Penobscot.

BRASSICA PEKINENSIS Rupr.

Alternaria brassicae (Berk.) Sacc. C 1937 Maine.

CHAMAECYPARIS THYOIDES (L.) BSP. WHITE CEDAR

Gymnosporangium fraternum Kern (G. transformans (Ell.) Kern) H 1937.
Knox

CRATAEGUS sp.

Gymnosporangium globosum Farl. H 1938 Lincoln.

CUCURBITA MAXIMA Duchense SQUASH

Erwinia tracheiphila (EFS) Holland. C 1938 Franklin.
Fusarium sp. C 1938 Kennebec, Androscoggin.

DAUCUS CAROTA L. CARROT

Cercospora apii Fr. var. *carotae* Pass. C 1938 Cumberland, York.
Macrosporium carotae Ell. & Langlois. C 1938 Cumberland, York.

FRAXINUS sp. ASH

Ustulina vulgaris Tul. H 1938 Penobscot.

JUNIPERUS HORIZONTALIS Moonch.

Gymnosporangium corniculans Kern. H 1938 Hancock.

Gymnosporangium globosum Farl. H 1938 Lincoln.

Gymnosporangium nidus-avis Thax. H 1937 York.

LYCOPERSICUM ESCULENTUM Mill. TOMATO

Cladosporium fulvum Cke. C 1938 General.

OSTRYA VIRGINIANA (Mill.) K. Koch. HOP HORNBEAM

Stereum purpureum (Pers.) Fr. H 1938 Penobscot.

PELARGONIUM sp. GERANIUM

Botrytis sp. C 1938 Somerset.

Phytononas pelargoni (Brown) Bergey et al. C 1938 Cumberland.

PHALARIS ARUNDINACEA L. REED GRASS

**Puccinia sessilis* Schneid. 1903 Somerset.

PHASEOLUS VULGARIS L. BEAN

Phytononas medicaginis var. *phaseolicola* Burk. C 1938 General.

PICEA sp. SPRUCE

Dimerosporium sp. C 1938 Hancock.

Lenzites trabea (Pers.) Fr. H 1937 Penobscot.

PICEA RUBENS Sarg. RED SPRUCE

Cytospora kunzei Sacc. P 1937.

**Fomes roseus* (A. & S.) Cke. 1903 Penobscot.

Lenzites trabea (Pers.) Fr. H 1938 Piscataquis.

**Polyporus cuticularis* (Bull.) Fr. (*Inonotus perplexus*) 1903
 Penobscot.

PISUM SATIVUM L. PEA

Fusarium coeruleum (Lib.) Sacc. L 1938 Penobscot.

Fusarium martii Appel & Woll. var. *pisi* Jones. L 1938 Penobscot.

Peronospora viciae (Berk.) DBy. C 1938 Somerset.

Rhizoctonia sp. C 1938 Penobscot.

POPULUS sp. POPLAR

Exidia glandulosa (Bull.) Fr. H 1937 Penobscot.
 Lenzites trabea (Pers.) Fr. H 1937 Penobscot.
 Panus rufus Fr. H 1937 Penobscot.
 Phlebia strigosa-zonata (Schw.) Burt. H 1937 Penobscot.
 Polyporus albellus Peck. H 1938 Penobscot.
 Polyporus pargamenus Fr. H 1938 Penobscot.
 Trametes trogii Berk. (T. morgani Lloyd) H 1937 Penobscot.

PRUNUS sp. CHERRY

Coccomyces sp. C 1938 Androscoggin.

PRUNUS PENNSYLVANICA L. f. PIN CHERRY

Poria prunicola (Murr.) Sacc. H 1938 Piscataquis.

PYRUS MALUS L. APPLE

Pezicula malicorticis (Cord.) Nannf. C 1938 General.
 Pezicula malicorticis (Cord.) Nannf. var. perennans (Zeller
 & Childs) Kienholz C 1938 Kennebec,
 Androscoggin.
 Polyporus adustus (Willd.) Fr. H 1938 Penobscot.

QUERCUS ALBA L. WHITE OAK

*Pestalozzia monochaeta Desm. 1903 Oxford.

QUERCUS BOREALIS Michx. NORTHERN RED OAK

Irpex cinnamomeus Fr. H 1938 Penobscot.
 Lenzites betulina (L.) Fr. H 1938 Penobscot.
 Panus stipticus Bull. H 1938 Penobscot.
 Polyporus albellus Peck H 1938 Penobscot.
 Polyporus cinnabarinus (Jacq.) Fr. H 1938 Penobscot.
 Polyporus dichrous Fr. H 1938 Franklin.
 Polyporus hirsutulus Schw. H 1938 Penobscot.
 Polyporus hirsutus (Wulf) Fr. H 1938 Penobscot.
 Stereum rameale Schw. H 1937 York, Penobscot.
 Taphrina coerulescens (D. & M.) Tul. C 1938 Maine.

ROBINIA PSEUDO-ACACIA L. LOCUST,

Pleurotus sp. H 1938 Penobscot.

Poria sp. H 1938 Penobscot.

ROSA sp. ROSE

Phytomonas tumefaciens (EFS & Town.) Bergoy et. al. C 1938
 Androscoggin.

Sphaerotilis pannosa (Wallr.) Lév. C 1938 Penobscot.

26.

RUBUS IDAEUS L. COMMON RED RASPBERRY
Didymella applanata (Nicssl) Sacc. C 1938 Androscoggin.

YNCHOSPORA ALBA (L.) Vahl. BEAK RUSH
**Cintractia montagnei* (Tul.) Magn.

SALIX sp. WILLOW
Daedalea confragosa Pers. H 1938 Penobscot.

SOLANUM TUBEROSUM L. POTATO
Phytophthora erythroseptica Pethy. P 1938.

SORBUS DUMOSA Green
Gymnosporangium aurantiacum Chev. H 1938 Penobscot, Hancock.

SPIRAEA VANHOUTTEI Zabel
Xylaria polymorpha (Pers.) Grev. H 1938 Penobscot.

THUJA OCCIDENTALIS L. WHITE CEDAR
**Pestalozzia conigena* Lév. 1900 Penobscot.

TSUGA CANADENSIS (L.) Carr. HEMLOCK
**Corticium roseum* Pers. 1903 Cumberland.
Panus stipticus Bull. H 1938 Penobscot.
Schizophyllum commune Fr. H 1938 Penobscot.

ULMUS AMERICANA L. AMERICAN ELM
Fomes fomentarius (Fr.) Kickx H 1937 Penobscot.
Pleurotus sapidus (Kalchbr.) Sacc. H 1938 Oxford.
Pleurotus ulmarius (Bull.) Fr. H 1938 Penobscot.

ULMUS GLABRA Huds. var. PENDULA Rehd.
Pleurotus ulmarius (Bull.) Fr. H 1938 Penobscot.

ULMUS PARVIFOLIA Jacq. CHINESE ELM
Nectria cinnabarinna (Tode) Fr. C 1938 Penobscot.

ZEA MAYS L. CORN
Rhizoctonia sp. C 1938 Franklin.

ZEA MAYS L. var. EVERTA Bailey POP CORN
Cladosporium sp. C 1937 Androscoggin.

ZIZANIA AQUATICA L. var. ANGUSTIFOLIA Hitchc. WILD RICE
Claviceps sp. H 1938 Penobscot.